

The Perl Cheat sheet

| CONTEXTS | SIGILS | ARRAYS | HASHES |
|----------|----------|--|-----------------|
| void | \$scalar | whole: @array | %hash |
| scalar | @array | slice: @array[0, 2] | @hash{'a', 'b'} |
| list | %hash | element: \$array[0] | \$hash{'a'} |
| | &sub | | |
| | *glob | SCALAR VALUES | |
| | | number, string, reference, glob, undef | |

REFERENCES

| | | | |
|-----|----------------|-----------------|---------------------|
| \ | references | \$\$foo[1] | aka \$foo->[1] |
| \$_ | dereference | \$\$foo{bar} | aka \$foo->{bar} |
| [] | anon. arrayref | \${\$foo[1]}[2] | aka \$foo->[1]->[2] |
| {} | anon. hashref | \${\$foo[1]}[2] | aka \$foo->[1][2] |
| \() | list of refs | | |

OPERATOR PRECEDENCE

->
++ --
**
! ~ \ u+ u-
=~ !~
* / % x
+ - .

<< >>
named uops
< > <= >= lt gt le ge
== != <=> eq ne cmp

&
| ^
&&
||
.. ...
?:
= += -= *= etc.
, =>

list ops
not
and
or xor

NUMBERS vs STRINGS

| | |
|-----------|-------------|
| = | = |
| + | . |
| == != | eq ne |
| < > <= >= | lt gt le ge |
| <=> | cmp |

SYNTAX

for (LIST) { }, for (a;b;c) { }
while () { }, until () { }
if () { } elsif () { } else { }
unless () { } elsif () { } else { }
for equals foreach (ALWAYS)

REGEX METACHARS

| | |
|-------|----------------------|
| ^ | string begin |
| \$ | str. end (before \n) |
| + | one or more |
| * | zero or more |
| ? | zero or one |
| {3,7} | repeat in range |
| () | capture |
| (?:) | no capture |
| [] | character class |
| | alternation |
| \b | word boundary |
| \z | string end |

REGEX MODIFIERS

| | |
|----|----------------|
| /i | case insens. |
| /m | line based ^\$ |
| /s | . includes \n |
| /x | ign. wh.space |
| /g | global |

REGEX CHARCLASSES

| | |
|---------------|-------------------|
| . | == [^\n] |
| \s | == [\x20\f\t\r\n] |
| \w | == [A-Za-z0-9_] |
| \d | == [0-9] |
| \S, \W and \D | negate |

SPECIAL VARIABLES

| | |
|-----------|-------------------|
| \$_ | default variable |
| \$0 | program name |
| \$/ | input separator |
| \$\ \$ | output separator |
| \$ | autoflush |
| \$_ | sys/libcall error |
| \$_ | eval error |

| | |
|-------|-------------------|
| \$\$ | process ID |
| \$. | line number |
| @ARGV | command line args |
| @INC | include paths |
| @_ | subroutine args |
| %ENV | environment |

Perl Cheat Sheet

| Operator Precedence | |
|---------------------|-------------------------------------|
| left | terms and list operators (leftward) |
| left | -> |
| nonassoc | ++ -- |
| right | ** |
| right | ! ~ \ and unary + and - |
| left | =~ !~ |
| left | * / % x |
| left | + - . |
| left | << >> |
| nonassoc | named unary operators |
| nonassoc | < > <= >= lt gt le ge |
| nonassoc | == != <=> eq ne cmp |
| left | & |
| left | ^ |
| left | && |
| left | |
| nonassoc | |
| right | ?: |
| right | = += -= *= etc. |
| left | , => |
| nonassoc | list operators (rightward) |
| right | not |
| left | and |
| left | or xor |